Index of Claims

| Application/Control No |
|------------------------|
|------------------------|

09/801,672 Examiner

Kieu D. Vu

Applicant(s)/Patent under Reexamination

SUGIYAMA ET AL.

Art Unit

2173

| <b>√</b> | Rejected |
|----------|----------|
| 1        | Allowed  |

| _ | (Through numeral)<br>Cancelled |  |  |  |  |  |  |  |  |
|---|--------------------------------|--|--|--|--|--|--|--|--|
| + | Restricted                     |  |  |  |  |  |  |  |  |

| Z | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
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| Cl       | aim      |  | 0                                   | ate            |  | $\neg$ | Cla                    | aim      |          |               | Da              | ite          |  |         |        | CI       | aim        |          |          |          | С        | ate      | •        |                   |           |          |
|----------|----------|--|-------------------------------------|----------------|--|--------|------------------------|----------|----------|---------------|-----------------|--------------|--|---------|--------|----------|------------|----------|----------|----------|----------|----------|----------|-------------------|-----------|----------|
|          |          | l I  |                                     |                |  |        |                        |          |          |               |                 |              |  |         |        |          |            |          |          | T        |          |          | П        | П                 | П         |          |
| Final    | Original | 5  |                                     |                |  |        | Final                  | Original |          |               |                 | 1            |  |         |        | Final    | Original   |          |          | - 1      |          | l        |          | - 1               |           |          |
| 造        | Ë        | 17   | -                                   |                | i  |        | 造                      | rig      |          |               | -               | 1            |  |         |        | 遣        | rig        |          |          | - 1      |          | - 1      |          |                   |           | 1        |
|          | 0        | 1/2  | 11                                  |                |  |        |                        | 0        |          | 1 1           |                 | -            |  |         |        |          | O          |          |          | - 1      |          | ı        |          |                   |           |          |
|          |          | <i>X</i><br><del>∓</del> ·                       |                                     | $\neg$         |  | 7      | -                      | 51       |          |               | $\neg$          | ✝            |  |         |        |          | 101        |          | $\neg$   | $\neg$   |          |          |          | $\neg$            | $\neg$    |          |
|          | 2        | <u>-</u> -                                       |                                     | $\neg$         |  |        |                        | 52       |          | $\Box$        | $\top$          | $\top$       | TT   |         |        |          | 102        |          |          | 7        |          |          |          | $\neg$            | ヿ         |          |
|          | 3        |  |                                     |                |  | 7      |                        | 53       |          | 1 1           |                 |              |  |         |        |          | 103        |          | T Ì      |          |          | ╗        |          | ヿ                 | T         |          |
|          | 4        |  |                                     |                |  | 7      |                        | 54       |          | 11            |                 |              |  |         |        | · ·      | 104        |          |          | T        | T        | 一        | $\neg$   | $\neg$            | $\neg$    |          |
|          | 5        |  | $\Box$                              |                |  | 7      |                        | 55       |          | $\sqcap$      |                 | 1            | 1 1  |         |        |          | 105        |          |          | 一        | T        |          |          | $\neg$            | $\neg$    |          |
|          | 6        |  |                                     |                |  |        |                        | 56       |          | П             | $\neg \uparrow$ |              | $\Box$   |         |        |          | 106        |          |          |          |          |          |          |                   | コ         |          |
|          | 7        | =  |                                     |                |  | 7      |                        | 57       |          | $\sqcap$      |                 |              |  |         |        |          | 107        |          |          |          | 一        |          |          | $\neg$            | T         |          |
|          | -8-      |  |                                     |                |  |        |                        | 58       |          |               |                 | T            |  |         |        |          | 108        |          |          |          |          |          |          |                   | $\neg$    |          |
|          | 9        | 7  |                                     |                |  |        |                        | 59       |          | $\Box$        |                 | T            |  | $\Box$  |        |          | 109        |          |          |          | ヿ        | T        | ヿ        | $\neg$            | $\exists$ |          |
|          | 10       |  |                                     |                |  |        |                        | 60       |          |               |                 |              |  |         |        |          | 110        |          |          |          |          |          |          |                   | $\Box$    |          |
|          | 11       |  |                                     |                |  |        |                        | 61       |          |               |                 |              |  |         |        |          | 111        |          |          | I        |          | $\Box$   |          | J                 | ┚         |          |
|          | 12       |  |                                     |                |  |        |                        | 62       |          |               |                 | $oxed{oxed}$ |  |         |        |          | 112        |          |          |          |          |          |          |                   | J         |          |
|          | 13       |  |                                     |                |  |        |                        | 63       |          |               |                 | I            |  |         |        |          | 113        |          |          | J        |          | $\Box$   |          | $\Box$            | $\Box$    |          |
|          | 14       |  |                                     |                |  | _      |                        | 64       |          |               |                 |              |  |         |        |          | 114        |          |          |          |          |          |          |                   | $\Box$    |          |
|          | 15       | Ш  |                                     |                |  | _      |                        | 65       |          |               |                 |              |  |         |        |          | 115        |          | $\Box$   | $\Box$   |          |          |          | $oldsymbol{\bot}$ | $\Box$    |          |
|          | 16       | $\coprod$  |                                     |                |  | _      |                        | 66       |          | $\coprod$     |                 |              |  |         |        |          | 116        |          |          |          |          | $\Box$   |          | $oxed{oxed}$      | $\Box$    |          |
|          | 17       |  |                                     |                |  |        |                        | 67       |          |               |                 |              | $\Box$   |         |        |          | 117        |          |          |          |          |          |          | $oxed{\bot}$      | $\Box$    |          |
|          | 18       |  |                                     |                |  |        |                        | 68       |          |               |                 |              |  |         |        |          | 118        |          |          |          |          |          |          | $\Box$            |           |          |
|          | 19       |  |                                     |                |  |        |                        | 69       |          |               |                 |              |  |         |        |          | 119        |          |          |          |          |          |          | $\Box$            |           |          |
|          | 20       |  |                                     |                |  | _ ;;;; |                        | 70       |          | Ш             | $\perp$         |              |  | Ш       |        |          | 120        |          | $\perp$  |          |          |          |          | $\Box$            | $\Box$    |          |
|          | 21       |  |                                     |                |  | _      |                        | 71       |          |               | $\perp$         |              |  | Ш       |        |          | 121        |          |          |          | $\perp$  |          |          | $\perp$           | $\perp$   |          |
|          | 22       | X  |                                     |                |  | _ !!!! |                        | 72       |          | $\sqcup$      |                 |              |  | Ш       |        |          | 122        | _        |          | $\perp$  |          |          |          | $\perp$           | $\perp$   | _        |
|          | -23-     |  |                                     |                |  | _      |                        | 73       |          | $\perp$       |                 | $\perp$      |  |         |        |          | 123        |          |          | _        |          | _        |          |                   |           | _        |
|          | 24       | <i>)</i> ;                                       | $\perp$                             |                |  | _      | Ш                      | 74       |          | $oxed{oxed}$  |                 |              |  | $\bot$  |        |          | 124        |          |          | $\perp$  | $\perp$  | _        | $\perp$  | $\dashv$          | $\perp$   |          |
|          | 25       |  |                                     |                |  | _::::: |                        | 75       |          | $\sqcup$      |                 |              |  | $\bot$  |        | ·        | 125        | _        | $\perp$  | $\perp$  | _        | $\dashv$ |          |                   |           |          |
|          | 26       | $\bot \bot \bot$                                 |                                     |                |  | _      |                        | 76       |          | $\sqcup$      | _               | ↓_           |  |         |        |          | 126        |          |          | _        | _        | _        | _        | _                 | _         |          |
|          | 27       | +  | $\dashv$                            |                |  | _ !!!! |                        | 77       |          | $\sqcup$      | _               | ↓_           | $\sqcup$   | $\perp$ |        |          | 127        | _        | _        | _        | _        | _        | _        | 4                 | 4         | $\Box$   |
|          | 28       | +  |                                     |                |  | _ :::: |                        | 78       |          | $\sqcup$      |                 |              |  |         |        |          | 128        |          |          | $\dashv$ | _        | _        | _        |                   | 4         | ᆜ        |
|          | 29       | $\bot \bot \bot$                                 |                                     |                |  | _      |                        | 79       |          | $\sqcup$      | _               |              | $\vdash$   | $\bot$  |        |          | 129        |          | _        | $\dashv$ | _        | _        |          | $\dashv$          | 4         | _        |
|          | 30       | =  | $\rightarrow \downarrow \downarrow$ |                | $\sqcup \sqcup \bot$                             | _      |                        | 80       |          | $\sqcup$      |                 | _            |  | 44      |        |          | 130        | _        |          | _        | _        | 4        | _        | 4                 | 4         |          |
|          | 45       | $\lambda$  |                                     |                | $\sqcup \sqcup$                                  | _::::  |                        | 81       |          | $\sqcup$      | _               | $\bot$       | $\vdash$   | 44      |        |          | 131        | _        | _        | $\dashv$ | _        | $\dashv$ | _        | $\dashv$          | 4         | _        |
|          | 32       | V  | $\longrightarrow$                   |                |  | 4      |                        | 82       |          |               |                 | ┿            | -  |         |        |          | 132        |          | _        | 4        | _        | _        | _        | _                 | 4         | _        |
|          | 33       | +  | ++                                  |                |  | 4      | oxdot                  | 83       | $\dashv$ | +             | -               | +            |  | -       |        |          | 133        |          |          | $\dashv$ | _        | $\dashv$ | _        | $\dashv$          | $\dashv$  | _        |
| <u> </u> | 34       |  | $\rightarrow$                       | +              |  | 4      | $\vdash$               | 84       |          | +             |                 | +-           | ₩.   | 44      |        |          | 134        |          |          | $\dashv$ | 4        | $\dashv$ |          | +                 | $\dashv$  | 4        |
|          | 35       |  |                                     |                | $\vdash$   | -      |                        | 85       | +        | +             | +               | +-           | $\vdash$   |         |        | ļ        | 135        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$          | -         | _        |
| <u> </u> | 36       | <del>                                     </del> |                                     |                |  | -      | $\vdash \vdash \vdash$ | 86       | +        | +             | +               | +            | $\vdash$   | +       |        |          | 136        | $\dashv$ | $\dashv$ | $\dashv$ |          |          |          | $\dashv$          | $\dashv$  |          |
| <u> </u> | 37       |  | ++                                  | -              | <del>                                     </del> |        | <b>  </b>              | 87       | +        | 1-1           | +               | +            | $\vdash$   | +       |        |          | 137        |          | $\dashv$ | 4        | $\dashv$ | $\dashv$ |          | +                 | $\dashv$  | 4        |
| <u> </u> | 38       | V  |                                     | $\dashv$       |  | -      | <del>  </del>          | 88       | -        | -             |                 | +            | $\vdash$   | +       |        |          | 138        | -        | +        | $\dashv$ | $\dashv$ | $\dashv$ | -        | +                 | +         | 4        |
|          | 39       |  | ++                                  |                |  | -      | $\vdash\vdash\vdash$   | 89       | -        | -             | +               | +            | $\vdash$   | +       |        | $\vdash$ | 139        |          | -+       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +                 | $\dashv$  | 4        |
|          | 40       | <del>-   -  </del>                               |                                     |                | <del>                                     </del> | -      | $\vdash \vdash \vdash$ | 90       | +        | $\vdash$      | +               | +            | $\vdash$   | +       |        |          | 140        |          | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | +                 | +         | 4        |
|          | 41       | ++   | +                                   | +              | $\vdash$   | -      | $\vdash$               | 91       |          | $\vdash$      |                 | +-           |  | +       |        |          | 141        | -        | +        | +        | -+       | -+       | $\dashv$ | +                 | +         | _        |
|          | 43       | <del>-   -  </del>                               |                                     | $\dashv$       | $\vdash$   | -      |                        | 93       | $\dashv$ | +             | +               | +            | $\vdash$   | +       |        |          | 142        |          | +        | $\dashv$ | $\dashv$ |          | -+       | +                 | $\dashv$  | _        |
| <b>-</b> | 44       |  | $\dashv$                            | $\dashv$       | $\vdash$   |        |                        |          | +        | $\vdash$      | +               | +-           | +-   | +       |        |          | 143        |          | $\dashv$ | +        | $\dashv$ | -        | -+       | +                 | $\dashv$  | _        |
| <b></b>  | 45       |  | <del>-   -  </del>                  |                | ++   |        |                        | 94<br>95 | -        | +             | +               | +            | +  | +-      |        |          | 144<br>145 |          | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +                 | +         | _        |
| l        | 46       | ++   | +                                   | $\dashv$       |  | -      | $\vdash \vdash \vdash$ | 96       | -+       |               | +               | +            | ++   | +       |        |          | 146        |          | +        | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$          | $\dashv$  | -        |
|          | 47       |  | ++                                  | +              | ++   | -      | <del>  </del>          | 97       |          | ┥             | -+-             | +-           | $\vdash$   | +       |        |          | 147        | $\dashv$ |          | +        | $\dashv$ | -+       | $\dashv$ | +                 | +         | _        |
|          | 48       |  | ++                                  | $\dashv\dashv$ |  | -      | $\vdash$               | 98       | -        | $\vdash$      | +               | +            | ╀┼   | +       |        |          | 147        |          | +        | +        | $\dashv$ | -        | $\dashv$ | +                 | +         | _        |
|          | 49       |  | +                                   |                | ++   | -      |                        | 99       |          | ++            | +               | +            | <del>                                     </del> | +       |        |          | 148        | $\dashv$ | +        | +        | +        | -        | $\dashv$ | +                 | +         | $\dashv$ |
|          | 50       |  | <del>-  -</del>                     | $\dashv$       | <del>                                     </del> | - :::: |                        | 100      | +        | ╁┼            | -               | +-           | $\vdash$   | + $+$   |        |          | 150        | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        | -        | +                 | +         | _        |
| لــــا   | 50       |  |                                     |                | ىلىلى  | :::::  |                        | 100      | L_       | $\perp \perp$ | L_              |              | LL   | لــلــا | :::::[ |          | 150        |          | L        | $\perp$  |          |          | _1       | 丄                 | $\perp$   |          |